Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

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- 1. (currently amended) A radio communications apparatus 1 2 having a transmission power control feature for controlling the transmission power of a local station by using a 3 transmission power control bit transmitted from a distant 4 station to the local station, comprising: 5 communication state detector which detects a 6 communication state based on the reception power of 7 a received signal transmitted from the distant 8 station; and 9 transmission power control step range changer which 10 changes a transmission power control step range 11 corresponding to the transmission power control bit 12
 - 2. (original) The radio communications apparatus
 2 according to claim 1, wherein said communication state
 3 detector has a reception power change detector which detects a
 4 change in reception power in a local station.

based on the detected communication state.

- 3. (original) The radio communications apparatus
 2 according to claim 1, wherein said communication state
 3 detector has a distant station transmission power change
 4 detector which detects a change in transmission power in a
 5 distant station.
 - 4. (original) The radio communications apparatus

 Amendments to the Claims

- 2 according to claim 1, wherein said communication state
- 3 detector has a control state detector which detects the
- 4 control state of the local station.
- 5. (original) The radio communications apparatus
- 2 according to claim 1, wherein said communication state
- 3 detector has a local station transmission power change
- 4 detector which detects a change in transmission power in the
- 5 local station.
- 6. (original) The radio communications apparatus
- 2 according to claim 1, wherein said communication state
- 3 detector has a transmission power control bit change detector
- 4 which detects a change in said transmission power control bit.
- 7. (original) The radio communications apparatus
- 2 according to claim 2, wherein said reception power change
 - 3 detector has a reception power comparator which compares a
 - 4 previous reception power with a current reception power.
 - 8. (original) The radio communications apparatus
 - 2 according to claim 2, wherein said reception power change
 - 3 detector has a fading pitch detector which detects the fading
- 4 pitch of reception power
- 9. (original) The radio communications apparatus
- 2 according to claim 2, wherein said reception power change
- 3 detector has a reception power threshold comparator which
- 4 compares the reception power with a predetermined threshold.
- 1 10. (currently amended) A transmission power control
- 2 method for a radio communications apparatus for controlling

- 3 transmission power of a local station by using a transmission
- 4 power control bit transmitted from a distant station to the
- 5 local station, comprising:
- a communication state detecting step which detects the a
- 7 communication state based on the reception power of
- 8 a received signal transmitted from the distant
- 9 station; and
- a transmission power control <u>step</u> range changing step
- which changes a transmission power control <u>step</u>
- range corresponding to the transmission power
- control bit based on the detected communication
- 14 state.
- 1 11. (original) The transmission power control method for
- 2 radio communications apparatus according to claim 10, wherein
- 3 said communication state detecting step has a reception power
- 4 change detecting step which detects a change in reception
- 5 power in a local station, wherein said transmission power
- 6 control range changing step changes the transmission power
- 7 control range depending on the detected change in reception
- 8 power.
- 1 12. (currently amended) The transmission power control
- 2 method for radio communications apparatus according to claim
- 3 10, wherein
- said communication state detecting step has a distant
- 5 station transmission power change detecting step
- 6 which detects a change in transmission power in a
- 7 distant station and a reception power change
- 8 detecting step which detects a change in reception
- 9 power in a local station, wherein

said transmission power control <u>step</u> range changing step
changes the transmission power control <u>step</u> range
depending on the detected change in transmission
power in the distant station and the detected change
in reception power in the local station.

- 1 13. (currently amended) The transmission power control 2 method for radio communications apparatus according to claim 3 10, wherein
- said communication state detecting step has a control

 state detecting step which detects the control state

 of a local station, wherein
- said transmission power control <u>step</u> range changing step

 changes the transmission power control <u>step</u> range

 depending on the detected control state.
- 1 14. (currently amended) A transmission power control 2 method for radio communications apparatus according to claim 3 10, wherein
- said communication state detecting step has a local
 station transmission power change detecting step
 which detects a change in transmission power in a
 local station and a transmission power control bit
 change detecting step which detects a change in the
 transmission power control bit, wherein
- said transmission power control <u>step</u> range changing step
 changes the transmission power control <u>step</u> range
 depending on the detected change in transmission
 power in the local station and the detected change
 in the transmission power control bit.
 - 1 15. (original) The transmission power control method for 2 radio communications apparatus according to claim 11 or 12, 3 wherein

step.

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4	said reception power change detecting step has a
5	reception power comparing step which compares a
6	previous reception power with a current reception
7	power, wherein
8	a change in reception power is detected based on the
9	comparison results of the reception power comparing

- 16. (original) The transmission power control method for 1 radio communications apparatus according to claim 11 or 12, 2 wherein 3
- said reception power change detecting step has a fading 4 5 pitch detecting step which detects the fading pitch of reception power, wherein
- 7 a change in reception power is detected based on the detected fading pitch. 8
- 17. (original) The transmission power control method for 1 2 radio communications apparatus according to claim 11 or 12, 3 wherein
- said reception power change detecting step has a 4 reception power comparing step which compares a 5 previous reception power with a current reception 6 7 power and a fading pitch detecting step for detecting the fading pitch of reception power, 8 wherein 9
- a change in reception power is detected based on the 10 comparison results of the reception power comparing 11 12 step and the detected fading pitch.
 - 18. (original) A transmission power control method for 1 2 radio communications apparatus according to claim 11 or 12, 3 wherein

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4	said reception power change detecting step has a
5	reception power threshold comparing step for
6	compares the reception power with a predetermined
7	threshold, wherein
8	a change in reception power is detected based on the
9	comparison results of the reception power threshold
10	comparing step

19. (previously presented) A computer-readable recording medium for storing a program for use by a computer for executing the transmission power control method for the radio communications apparatus according to any one of claims 10 through 18.